Farjad Andrianina Madataly

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Education

BA in Computer Science and Math at Lewis & Clark College | Portland, OR   May 2025

Experience

AI Engineer (AWS & Azure) | *Common Era LLC* | Arlington, VA (Remote)   May 2025 - August 2025
- ➤ Deployed NextJs frontend of AI applications on Amazon S3, ensuring reliability and scalability.
- ➤ Utilized Microsoft Fabric and Pyspark to perform fuzzy matching on customer datasets against a 10M+ record public dataset, improving data accuracy and completeness.
- ➤ Created automations scripts for web scraping using Scrapin.io and Python.

AI Engineer | *Lewis & Clark College* | Portland, OR   May 2025 - August 2025
- ➤ Used Langgraph + RAG to build and deploy custom agentic workflows that assist IT Service Desk student workers in checkout procedures, addressing online inquiries, and providing internal policy guidelines.
- ➤ Architected Agentic procedures to automate a cybersecurity assessment training class, using Langchain, Langgraph and ChromaDB to simulate realistic lessons and assignments.

Data & GenAI Intern | *Astra Intel* | Arlington, VA (Remote)   Feb 2025 - May 2025
- ➤ Built 5+ end-to-end ML pipelines in Azure ML Studio using ML Designer and AutoML tools, accelerating model development and deployment.
- ➤ Performed fuzzy data joins on datasets with 3M+ records using Pyspark on Microsoft Fabric, preprocessing data for machine learning model training and improving data quality.

Fullstack SWE Intern | *GetEverFull* | Portland, OR   Feb 2025 - May 2025
- ➤ Implemented designs and mockups for the landing page and dashboard components using React, adding CRUD functionalities to them while collaborating with the UI/UX team.
- ➤ Used Resend API and Supabase Edge functions to implement user management and multi-tenant functionalities within the company's product.

Salesforce Development Intern | *Lewis & Clark IT Dept* | Portland, OR   Sep 2024 - May 2025
- ➤ Migrated 10+ years of data from Raiser's edge to Salesforce using Python Pandas for data transformations, resulting in a unified data source for student data from the past and present.
- ➤ Re-built and optimized 20+ business automations in Salesforce Flow after the previous tool was deprecated, eliminating downtime for these processes and removing the need for manual processing as an alternative.

Machine Learning Engineering Intern | *HiddenLayer Inc.* | Austin, TX (Remote)   May 2024 - Aug 2024
- ➤ Wrote Python modules that download datasets from huggingface and upload them S3, through boto3 and databricks, streamlining the ML engineering team's workflow.
- ➤ Performed model security tests with 10+ deep learning models of various modalities, including image segmentation and text-to-video models, using internal tools to help create a deep learning model library.
- ➤ Assisted in codebase maintenance through the use of pre-commit github actions, google-style documentations, while participating in team sprints, giving me the ability to contribute as a team member.

Projects

American Statistical Association DataFest | Willamette University   April 2025
- ➤ Processed 1,000,000+ Real Estate data points from Savills, conducting non-parametric statistical tests and created a Random Forest model with 90%+ Accuracy and displaying results with Seaborn visualizations.

Saliency Map Implementation | Lewis & Clark College Hackathon   April 2025
- ➤ Used XAI concept of saliency to display the most significant pixels in a hugging face ViT model's classification decision logic through a visualization, placing 3rd in the competition.

Lyft Backend Engineering Virtual Experience | Forage (Remote)   July 2022
- ➤ Wrote a mock car maintenance software, using the factory software pattern and software engineering principles, as well as unit testing, class inheritance, and interfaces in Python.